

IN THE CLAIMS:

Please replace Claims 1, 13 and 15 with the following:

1. (Amended) A method comprising the steps of:
  - (a) adding sulfur, or another halogenation suppressant, or mixtures thereof to a composition containing dioxin precursors,
  - (b) incinerating the composition containing dioxin precursors, thereby forming a gaseous medium,
  - (c) reducing heat in the gaseous medium formed in step (b),
  - (d) removing ash from the gaseous medium,
  - (e) adding an adsorbent to the gaseous medium formed in step (d), and
  - (f) removing acid gases and particulates from the gaseous medium formed in step (e).
13. (Amended) The method of claim 4, wherein the chlorinated solvents are selected from the group consisting of dichloromethane, monochlorobenzene, dichlorobenzene, 1,1-dichloroethane and methylene chloride.
15. (Amended) A method comprising the steps of:
  - (a) adding sulfur, or another halogenation suppressant, or mixtures thereof to a composition containing dioxin precursors that comprises at least one selected from the group consisting of (i) a wastewater treatment sludge (ii) solid organic residues and (iii) a mixture of halogenated solvents,
  - (b) incinerating the composition containing dioxin precursors at a temperature that is at least about 800°C, thereby forming a gaseous medium,
  - (c) reducing heat in the gaseous medium formed in step (b) to a temperature that is below about 200°C,
  - (d) removing ash from the gaseous medium,

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- (e) adding activated powder to the gaseous medium formed in step (d) at a rate that is at least about 0.0007 kg, per about 100 m<sup>3</sup> of gaseous medium,
  - (f) removing acid gases and particulates from the gaseous medium formed in step (e).